

What is claimed is:

- Sub A'*
1. A method for providing graphics for display, comprising the steps of:
 - 5 receiving a bitstream including an MPEG compliant program bitstream and a DVD subpicture compliant bitstream;
 - extracting and decoding the MPEG compliant bitstream to generate a program image signal;
 - extracting and decoding the DVD subpicture
 - 10 compliant bitstream to generate a graphic image signal; and
 - combining the program image signal and the graphic image signal to provide an output display signal.
 2. The method of claim 1, wherein the received
 - 15 bitstream comprises a plurality of DVD subpicture compliant bitstreams, and the plurality of DVD subpicture compliant bitstreams are extracted and decoded to generate a plurality of graphic image signals.
 3. The method of claim 2, wherein at least one
 - 20 of the decoded DVD subpicture compliant bitstreams is buffered.
 4. The method of claim 1, wherein the DVD
 - 25 subpicture compliant bitstream repeats in said MPEG bitstream.
 5. The method of claim 1, wherein the DVD
 - 30 subpicture compliant bitstream comprises an MPEG still image.
 6. The method of claim 1, wherein the DVD
 - 35 subpicture compliant bitstream comprises an interactive program guide.

7. The method of claim 1, wherein the DVD subpicture compliant bitstream comprises an interactive graphic.

5 8. The method of claim 7, wherein the interactive graphic comprises selectable regions that, when selected, causes the display of other DVD subpicture graphics.

10 9. The method of claim 7, wherein the interactive graphic comprises a selectable region that, when selected, causes the receiver to decode a particular MPEG bitstream.

15 10. A video signal processing apparatus, comprising:
means for receiving a bitstream comprising a MPEG compliant bitstream and a DVD subpicture compliant bitstream;

20 means for parsing the received bitstream, and routing the MPEG compliant bitstream to a MPEG decoder, and routing the DVD subpicture compliant bitstream to a DVD subpicture processor, the MPEG decoder generating a program image signal in response to the MPEG compliant bitstream,
25 the DVD subpicture processor generating a graphic image signal in response to the DVD subpicture compliant bitstream; and

30 means for combining the program image signal and the graphic image signal to provide an output image signal.

11. The apparatus of claim 10, wherein the receiving means comprises a digital interface and a demodulator coupled to the digital interface and the MPEG
35 decoder.

12. The apparatus of claim 11, wherein the digital interface is an IEEE 1394 digital interface.

13. The apparatus of claim 11, wherein said
5 digital interface is a USB digital interface.

14. The apparatus of claim 10, further comprising a frame buffer coupled to the DVD subpicture processor.

15. The apparatus of claim 14, wherein the receiving means receives a bitstream comprising a plurality of DVD subpicture compliant bitstreams, and the DVD subpicture processor decodes the plurality of DVD
15 subpicture compliant bitstreams to generate a plurality of graphic image signals.

16. The apparatus of claim 15, wherein at least one of the graphic image signals is buffered in the frame
20 buffer.

17. The apparatus of claim 10, further comprising a display processor coupled to the combining means, the display processor generating an interactive
25 program guide in response to the graphic image signal.

18. The apparatus of claim 10, further comprising a display processor coupled to the combining means, the display processor generating and interactive
30 menu in response to the graphic image signal.